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NOTICE OF ALLOWANCE AND FEE(S) DUE

24737 759n 04/03/2009

PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001

BRIARCLIFF MANOR, NY 10510

EXAMINER HA, DAC V

PAPER NUMBER ART UNIT

2611 DATE MAILED: 04/03/2009

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO 01/19/2000 Franz Amtmann PHO 99.503 2834

TITLE OF INVENTION: DATA CARRIER PROVIDED WITH AT LEAST TWO DECODING STAGES

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	07/06/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
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								(Depositor's name)
				L				(Signature)
				<u> </u>				(Date)
APPLICATION NO.	NO. FILING DATE		FIRST NAMED INVENTOR			ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
09487,151 01/19/2000 Franz Amtmann PHO 99,503 2834 TITLE OF INVENTION: DATA CARRIER PROVIDED WITH AT LEAST TWO DECODING STAGES					2834			
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APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUI	3 FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510 ART UNIT	\$0 CLASS-SUBCLASS	_	\$0 1		\$1510	07/06/2009
	EXAMINER HA, DAC V		375-316000	\perp	ı			
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PIOSBH22) attached. The Address Findication for "Fee Address" Indication form PIOSBH27 is two 3-02 or more recent) attached. Use of a Custome Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED OF PLEASE NOTE: Unless an assignee is identified below, no assign			(1) the names of u or agents OR, alter (2) the name of a s registered attorney 2 registered patent listed, no name wil THE PATENT (print of	2. For printing on the patient front page, list (1) the names of up to 3 registered patient attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patient automys or agents. If no name is listed, no name will be printed. BE PATIENT [print or type) tas will appear on the patient. If an assignee is identified below, the document has been filed for a substitute for filing an assignment.				
(A) NAME OF ASSI	GNEE	categories (will not be p	(B) RESIDENCE: (C	TTY	and STATE OR C	OUNI	RY)	up entity 🚨 Government
4a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			A. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit eard. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment. to Deposit Account Number (enclose an extra copy of this form).					
	s SMALL ENTITY state	is. See 37 CFR 1.27.					ITTY status. See 37 CF	
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other the Office.	nan th	ne applicant; a regi	stered :	attorney or agent; or th	e assignee or other party in
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Typed or printed name			Registration No					
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PHILIPS INTEL	LECTUAL PROPER	HA, DAC V			
P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510			ART UNIT	PAPER NUMBER	
			2611		

DATE MAILED: 04/03/2009

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)
09/487,151	AMTMANN ET AL.
Examiner	Art Unit
Dac V. Ha	2611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to amendment filed 03/20/09.
- The allowed claim(s) is/are 4, 16, 26, renumbered as 1-3, respectively.
- Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 - 1.

 Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: ____

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) \square including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date ____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2 Notice of Draftperson's Patent Drawing Review (PTO-943).
- Information Disclosure Statements (PTO/SB/08),
 Paper No./Mail Date
- Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- € ☐ Interview Summery (PTO-413), Paper No./Mail Date
- 7. X Examiner's Amendment/Comment
- 8.

 Examiner's Statement of Reasons for Allowance
- 9. 🔲 Other ____

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EXAMINER'S AMENDMENT

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Aaron Waxler (Reg. No. 48,027) on 03/25/09.

The application has been amended as follows:

Claim 16, line 9, "decoding the encoded data signal" has been changed to --the decoder decoding the encoded data signal--

Claims 17-25 have been cancelled.

2. The following is an examiner's statement of reasons for allowance:

Applicant have cancelled claims 1, 5, 7-10, 13, 14, 17-25, 27-33 and amended claims 4, 16, 26 in accordance with the office action dated 09/10/08. The present invention relates to apparatus and method for decoding received signal using plural decoding stages and method. Such technique is not unknown in the art. Prior art of record (closest references, Koo et al. - US 5,345,231), however, taking individually or collectively, fails to fairly teach such particular apparatus and method, as claimed as a whole, including claimed subject matter "the decoding means including at least a first physical decoding stage and a second physical decoding stage, the first decoding stage being arranged to decode said data signal encoded in conformity with a first decoding method whereas the second decoding stage is arranged to decode said data signal

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encoded in conformity with a second decoding method, and wherein said first decoding method is Manchester (MA) and the second decoding method is Miller; and wherein said decoding means further includes a decision stage capable of determining based on said decoding instruction information which of the first and second decoding stages is suitable to decode decodes the encoded data signal, and wherein the decoding stage information includes redundancy data" in independent claim 4; "wherein the decoding step includes a first physical decoding stage which decodes the encoded data signal in conformity with a first decoding method and a second physical decoding stage which decodes the encoded data signal in conformity with a second decoding method. wherein the first decoding method is Manchester (MA) and the second decoding method is Miller; and wherein the decoding step further includes a decision stage which determines which of the first and second decoding stages decodes the encoded data signal, and, wherein the data is output by the first decoding stage to the data processor before the decision stage decides which of the first and second decoding stages is suitable for the decoding of the encoded data signal" in independent claim 16 and claimed subject matter "wherein the decoder includes a first decoding stage and a second decoding stage, the first decoding stage designed to decode the encoded data signal which is encoded in conformity with a first encoding method and the second decoding stage designed to decode the encoded data signal encoded in conformity with a second encoding method, wherein said first encoding method is No-Return-To-Zero (NRZ) and second encoding method is Miller, and, wherein said encoded data signal has a structure that ensures that time intervals with high amplitude value of the

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modulated carrier signal are substantially at least as long as time intervals with low amplitude value of the modulated carrier signal" in independent claim 26. Thus, claims 4, 16, 26 are found to be novel and unobvious over prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dac V. Ha whose telephone number is 571-272-3040. The examiner can normally be reached on 4/4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Payne can be reached on 571-272-3024. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Dac V. Ha/ Primary Examiner, Art Unit 2611